

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织
国际局



(43) 国际公布日:
2002年9月6日(06.09.02)

PCT

(10) 国际公布号:
WO 02/67962 A1

(51) 国际分类号: A61K 35/78, A61P 35/00

(21) 国际申请号: PCT/CN02/00020

(22) 国际申请日: 2002年1月16日(16.01.02)

(25) 申请语言: 中文

(26) 公布语言: 中文

(30) 优先权:
01106086.7 2001年1月16日(16.01.01) CN

(71) 申请人(对除美国以外的所有指定国): 长春中医学院
(CHANGCHUN COLLEGE OF TRIDITIONAL
CHINESE MEDICINE) [CN/CN]; 中国吉林省长春市
工农大路 39 号, Jilin 130021 (CN)。

(72) 发明人;及

(75) 发明人/申请人(仅对美国): 刘大有(LIU, Dayou)
[CN/CN]; 刘大同(LIU, Datong) [CN/CN]; 邱金文
(QIU, Jinwen) [CN/CN]; 张大方(ZHANG, Dafang)
[CN/CN]; 李红科(LI, Hongke) [CN/CN]; 刘艺峰(LIU,
Yifeng) [CN/CN]; 中国吉林省长春市工农大路 39 号,
Jilin 130021 (CN)。

(74) 代理人: 中科专利商标代理有限公司(CHINA
SCIENCE PATENT & TRADEMARK AGENT

LTD); 中国北京市海淀区海淀路80号中科大厦16层,
Beijing 100080 (CN)。

(81) 指定国(国家): AE, AG, AL, AM, AT, AU, AZ, BA,
BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,
DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT,
RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW

(84) 指定国(地区): ARIPO专利(GH, GM, KE, LS, MW,
MZ, SD, SL, SZ, TZ, UG, ZM, ZW), 欧亚专利(AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM), 欧洲专利(AT,
BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT,
LU, MC, NL, PT, SE, TR), OAPI专利(BF, BJ, CF,
CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,
TD, TG)

本国际公布:

— 包括国际检索报告。

所引用双字母代码和其它缩写符号, 请参考刊登在每期
PCT公报期刊起始的“代码及缩写符号简要说明”。

(54) Title: THE METHOD FOR PREPARATING AN ANEMONE RADDEANA EXTRACT AND THE
PHARMACEUTICAL COMPOSITION CONTAINING THE SAME AS WELL AS USE THEREOF

(54) 发明名称: 两头尖提取物的制备方法以及含有其成分的药物组合物及用途

(57) Abstract: The invention discloses a method for preparing an anemone raddeana extract and a pharmaceutical composition containing the same as well as use thereof, the method comprises the following steps: a) the rhizome, stem, leaf, flower and fruit of anemone raddeana are pulverized to obtain the crude powders of anemone raddeana; b) the crude powders are extracted with an ethanol solution, filtered and ethanol is recovered; c) the residues are absorbed through a macroporous resin, pigments and sugars are removed therefrom, the resin is further eluted with water or a base solution to colorless, the fractions retained in column are saponins; d) they are eluted with 50%-70% ethanol, ethanol is recovered, gelatin is added, precipitates are filtered, the filtrate is loaded on a macroporous resin column for decoloration, eluted with 50%-70% ethanol, ethanol is recovered, concentrated and dried to obtain an extract of total saponins from anemone raddeana. The inventive method is a convenient process and is suitable for industrial production. The anemone raddeana extract according to the invention is formulated to a pharmaceutical composition with pharmaceutical acceptable carriers and the pharmaceutical composition is used for treating malignant neoplasm diseases.

(57) 摘要

本发明公开一种两头尖提取物的制备方法以及含有其成分的药物组合物及用途, 该方法包括以下步骤: a) 将两头尖及其茎、叶、花、果粉碎, 得到两头尖粗粉; b) 用乙醇溶液进行提取, 过滤并回收乙醇; c) 经大孔吸附树脂吸附, 除去色素、糖类, 再用水或碱溶液洗脱树脂至无色, 保留在柱中的为皂甙部分; d) 用 50%-70% 的乙醇进行洗脱, 回收乙醇, 加入明胶, 过滤沉淀, 滤液上脱色大孔树脂柱, 用 50%-70% 乙醇洗脱, 回收乙醇, 浓缩干燥, 得到两头尖总皂甙提取物。本发明的方法工艺简单, 适用于工业化生产。本发明的两头尖提取物可以和药学上可接受的载体制成药物组合物, 用于治疗恶性肿瘤疾病。

BEST AVAILABLE COPY

WO 02/67962 A1